

Enhanced Ecosystem-based Management Initiative

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Advisory Council meeting
Aptos, CA
June 17, 2010



MBNMS core values

- Science-based
- Public input and stakeholder involvement
- Collaborative: interagency, stakeholders, scientists
- Transparent management



Enhanced EBM Initiative

to achieve broad ecosystem-based management goals



- Protect unique and rare places....
- Protect areas....where natural ecosystem components are maintained and/or restored
- Establish research areas....
- Promote ecologically sustainable uses.....

Partner Feedback 2008 - 2009

- Sanctuary Advisory Council & MPA subcommittee
- NMFS
- PFMC
- CDFG



- NOAA's National MPA Center
- The Nature Conservancy

Basic steps of Initiative

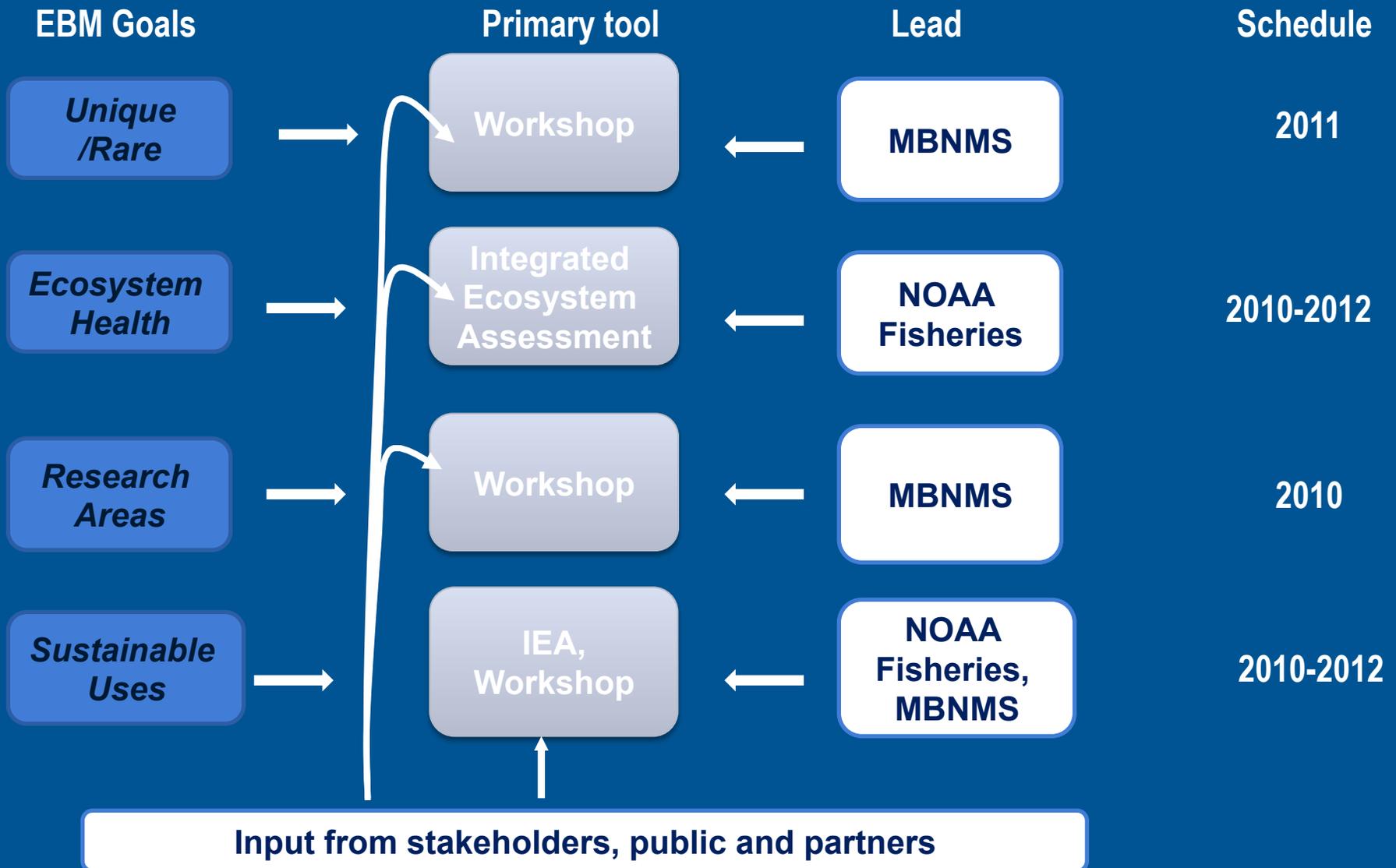
to achieve broad ecosystem-based management goals

- Step 1: Information gathering and analyses
- Step 2: Propose and implement strategies/actions
- Step 3: Monitor, assess, and adapt strategies



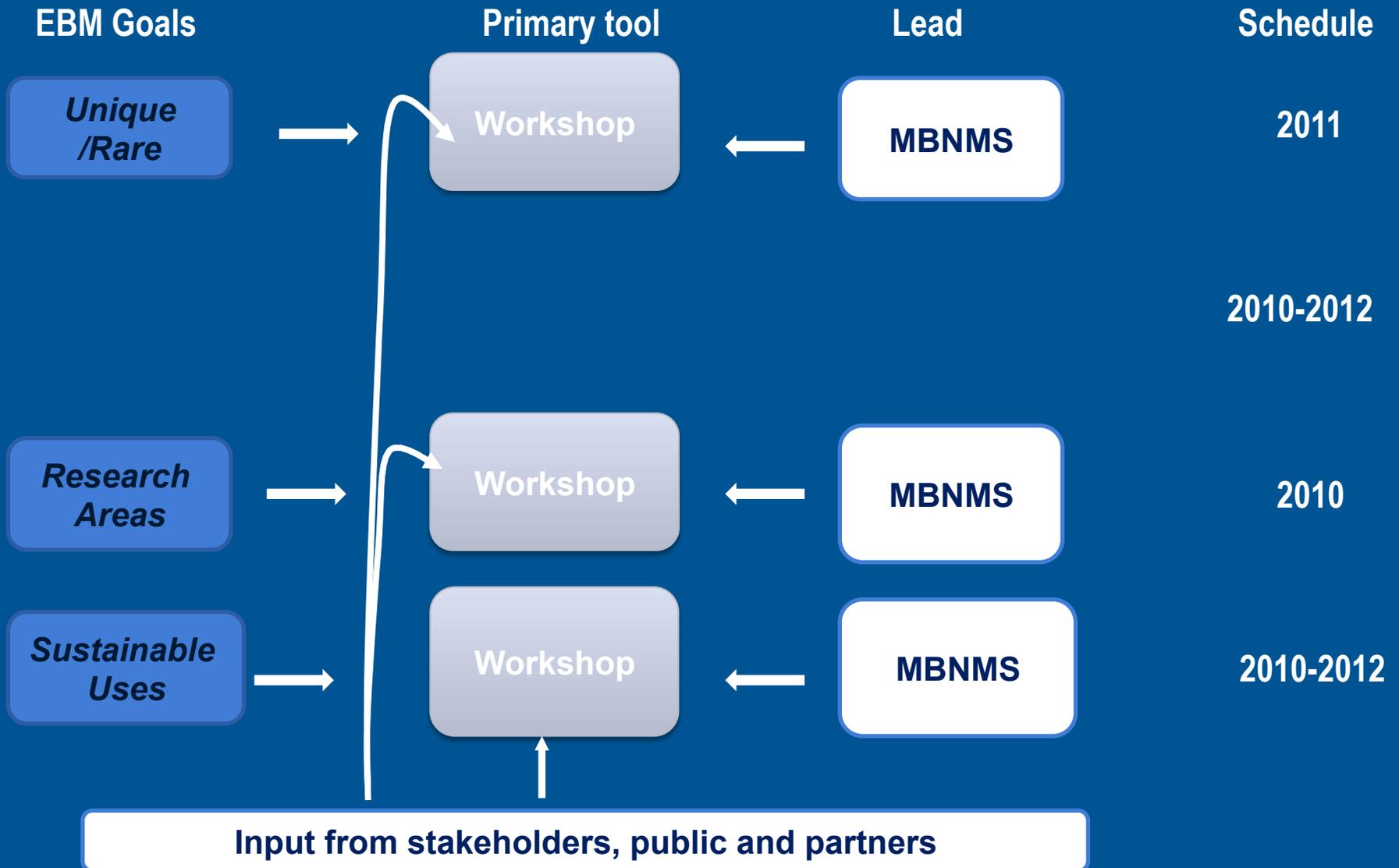
**Enhanced Ecosystem-based Management
INITIATIVE**

Step 1: information gathering and analyses



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Step 1: workshops



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Step 1: Integrated Ecosystem Assessment

EBM Goals

Primary tool

Lead

Schedule

*Ecosystem
Health*



**Integrated
Ecosystem
Assessment**



**NOAA
Fisheries**

2010-2012

*Sustainable
Uses*



**Integrated
Ecosystem
Assessment**



**NOAA
Fisheries**

2010-2012

Input from stakeholders, public and partners

Integrated Ecosystem Assessment (IEA)

- Process, tool, product for achieving EBM
- Evaluates various management strategies
- Informs goal ii) of Initiative (ecosystem health)



West Coast IEA

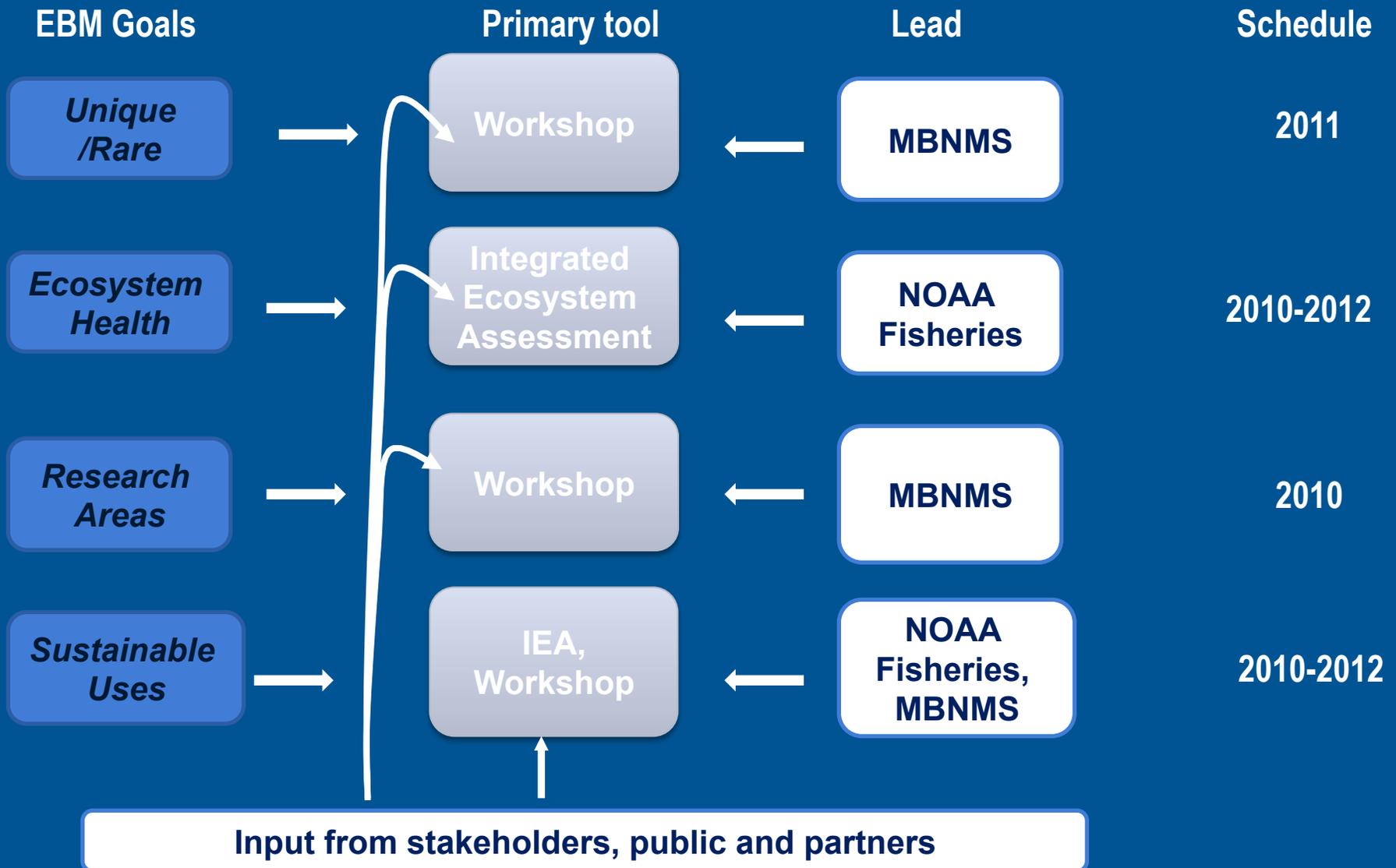
- FY10 work plan focused on salmon, green sturgeon, groundfish and **ecosystem health**



- Suited to address several analytical needs to inform the Initiative's goal ii: ecosystem health
 - Indicator development: i.e. ecosystem health, natural ecosystem components, ecosystem integrity or resilience
 - Overall ecosystem assessment and evaluation: of ecosystem status and any proposed management measures

**Enhanced Ecosystem-based Management
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Step 1: information gathering and analyses



**Enhanced Ecosystem-based Management
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step 2: propose and implement strategies

EBM Goals

*Unique
/Rare*

*Ecosystem
Health*

*Research
Areas*

*Sustainable
Uses*

Strategies

Non-
regulatory

Regulatory

Partners

NOAA
Fisheries

CDFG

Stakeholders

NGOs

Schedule

2011-2013 >

Input from stakeholders, public and partners

Step 2: propose and implement strategies

Strategies with partners (existing, potential and emerging)

Examples:

- MLPA MPAs
- EFH - 5 year review
- Ecosystem FMP
- Community Fishing Association
- Sustainable fisheries certification program
- Central Coast Groundfish Project



**Enhanced Ecosystem-based Management
INITIATIVE**
to achieve broad ecosystem-based management goals



Input from stakeholders, public and partners

**Enhanced Ecosystem-based Management
INITIATIVE**
stakeholder input

EBM Goals

***Unique
/Rare***

***Ecosystem
Health***

***Research
Areas***

***Sustainable
Uses***

Avenues

**Advisory
Council**

Workshops

**Partner
advice**

**Public
comment**

Schedule

2010 ~ 2013 >



Enhanced Ecosystem Management Initiative

- EBM goals
- Complementary partner tools and approaches
- Engaging with partners
- Collaborative phased approach



<http://swfsc.nmfs.noaa.gov/PRD/>

Cornelia Osdekoven